


AUTOMATIC SYRINGE**Publication number:** JP62270169 (A)**Publication date:** 1987-11-24**Inventor(s):** HIIRISU PEE FUAN DERU UORU**Applicant(s):** DUPHAR INT RES**Classification:****- international:** **A61M5/24; A61M5/20; A61M5/31; A61M5/24; A61M5/20; A61M5/31;** (IPC1-7): A61M5/24**- European:** A61M5/20M; A61M5/31C**Application number:** JP19870117185 19870515**Priority number(s):** NL19860001228 19860515**Also published as:**

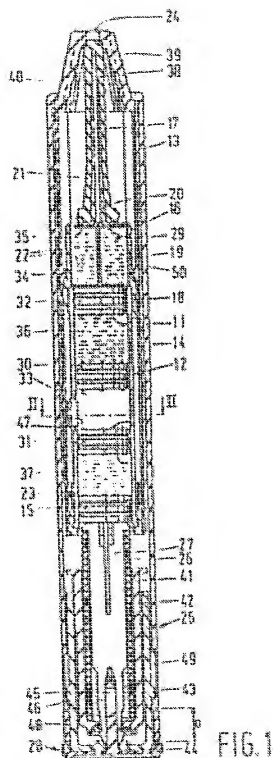
-  EP0245895 (A1)
-  EP0245895 (B1)
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Abstract not available for JP 62270169 (A)

Abstract of corresponding document: **EP 0245895 (A1)**

The invention relates to an automatic injector for injecting one or more injection liquids, comprising an assembly of a discharge mechanism, a cartridge (12) in a cartridge holder (13), and an outer sleeve (11) which is telescopically slidable around the cartridge holder (13), which cartridge comprises a barrel (14), in the barrel a piston (15) and a number of separating stoppers (30-32) equal to one less than the number of injection liquids, a needle holder (16) with injection needle (17) and optionally a by-pass for injection liquid.; The injector is suitable for accommodating a solid and a solvent therefor, and for that purpose comprises a passable stopper (31) between solid and solvent and a solvent by-pass (47) in the barrel wall or in the passable stopper, in which, by a single or repeated operation of telescoping external parts of the injector solvent can pass the passable stopper and can reach the solid, as a result of which the injector can be made ready for use.



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